

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

(Page 1)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Active Replica Transformer Hybrid

☐ the specification of which is attached hereto X was filed on __ as United States Application No. or PCT International Application No. _ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR ' 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. ' 119(a)-(d) or ' 365(b), of any foreign application(s) for patent or inventor's certificate, or ' 365(a) of any PCT international application which designates at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed:

<u>Country</u>	<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>(Yes/No) Priority Claimed</u>
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I hereby claim the benefit under 35 U.S.C. ' 119(e) of any United States provisional application(s) listed below:

<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>
60/206409	May 23, 2000
60/211571	June 15, 2000

I hereby claim the benefit under 35 U.S.C. ' 120 of any United States application(s), or ' 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. ' 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. ' 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Page 2)

[illegible]

I hereby appoint the practitioners associated with the firm and Customer Number provided below and Eric B. Janofsky, Reg. No. 30,759 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to the address associated with that Customer Number:

FITZPATRICK, CELLA, HARPER & SCINTO
Customer Number: 05514

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole or First Inventor Sutardja, Sehat
Inventor's signature Sehat Sutardja
Date Dec 15, 2000 Citizen/Subject of United States of America
Residence 11572 Seven Springs Drive, Cupertino, CA, 95014,

Post Office Address_____

Full Name of Second Joint Inventor, if any _____
 Second Inventor's signature _____
 Date _____ Citizen/Subject of _____
 Residence _____

Post Office Address _____

Full Name of Third Joint Inventor, if any _____
 Third Inventor's signature _____
 Date _____ Citizen/Subject of _____
 Residence _____

Post Office Address _____

Full Name of Fourth Joint Inventor, if any _____
Fourth Inventor's signature _____
Date _____ Citizen/Subject of _____
Residence _____

Figure 1 consists of 12 subplots, labeled (a) through (l), each showing the 'Maximum value of the function' on the y-axis against the 'Number of iterations' on the x-axis (ranging from 0 to 1000). The subplots represent different parameter settings for the function $f(x)$. In all cases, the maximum value initially increases with the number of iterations and then begins to decrease, indicating an optimal number of iterations for maximizing the function.

STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(c)—SMALL BUSINESS CONCERN

DOCKET NUMBER
MP0020

Applicant, Patentee, or Identifier:

Application or Patent No.

Filed or Issued:

Title: Active Replica Transformer Hybrid

I hereby state that I am

☐ the owner of the small business concern identified below:

☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN: Marvell Technology Group Ltd.

ADDRESS OF SMALL BUSINESS CONCERN: Richmond House, 3rd floor, 12 Parla Ville Road, Hamilton HM DX, Bermuda.

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- ☒ - the specification filed herewith with title as listed above.
☐ the application identified above.
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization having any rights in the invention is listed below:
☒ no such person, concern, or organization exists.
☐ each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING Eric Janofsky

TITLE OF PERSON IF OTHER THAN OWNER General Patent Counsel

ADDRESS OF PERSON SIGNING 645 Almanor Ave, Sunnyvale, CA 94085

SIGNATURE  DATE 12/15/00